

Appl. No. : 10/786,518  
 Filed : February 4, 2004

## AMENDMENTS TO THE SPECIFICATION

Please replace Tables 2 through 10, which are located between paragraphs [0061] and [0062] of the specification, with the following paragraphs:

Table 2: CDH23 primers

| primer name | primer sequence                     | SEQ ID NO. | bases | product size | primer pair | exons    |
|-------------|-------------------------------------|------------|-------|--------------|-------------|----------|
| CDH23-1F    | CACTGTGCTATACCCAGGATAGGACAATGTTA    | <u>1</u>   | 32    | 6886 bp      | 1F/1R       | 2 to 3   |
| CDH23-1R    | TCAGGTGGAAGATGACCTCAACCTGTAAGATC    | <u>2</u>   | 32    |              |             |          |
| CDH23-2F    | GATACCATCATGACACACTGTGACAAGT        | <u>3</u>   | 28    | 1426 bp      | 2F/2R       | 4 to 6   |
| CDH23-2R    | GACTCTTCACCTACACCATGGTGGTCTG        | <u>4</u>   | 28    |              |             |          |
| CDH23-3F    | TATGTATTCTTCACACTAACCTGTGAGATATG    | <u>5</u>   | 33    | 12362 bp     | 3F/3R       | 7 to 9   |
| CDH23-3R    | TAGCCCTCAGAGCCTGAGATGCCTACTGGCTC    | <u>6</u>   | 32    |              |             |          |
| CDH23-4F    | TGAGTCTTTAATGCCAGAGAGGAG            | <u>7</u>   | 25    | 2604 bp      | 4F/4R       | 10 to 11 |
| CDH23-4R    | TGAGATGGAGTCTTACTCTTGTTC            | <u>8</u>   | 25    |              |             |          |
| CDH23-5F    | CCAGAAGCTATGGCCCATCAGAGG            | <u>9</u>   | 24    | 3425 bp      | 5F/5R       | 12 to 13 |
| CDH23-5R    | GCAACCAAGAGTACTGACAGATACA           | <u>10</u>  | 25    |              |             |          |
| CDH23-6F1   | TGTAGGTAGAAGGCGTGCAGGAGCCAGCAGTCGC  | <u>11</u>  | 34    | 6878bp       | 6F/6R       | 14 to 16 |
| CDH23-6R1   | GGTTCGAGTGTGTTGCTGCTCAGCCTCCGAGTAT  | <u>12</u>  | 34    |              |             |          |
| CDH23-6F1b  | CCAAAGGAGACGTGCGAGAGGAACAT          | <u>13</u>  | 26    | 4601 bp      | 6F1b/6R1b   | 14 to 16 |
| CDH23-6R1b  | TTCCTGAGTAGCCAGAGTGTCAGG            | <u>14</u>  | 25    |              |             |          |
| CDH23-7F    | ACCTCAGTCGAGATGTTGAGGCTCCAGGTGTTTC  | <u>15</u>  | 33    | 13282 bp     | 7F/7R       | 17 to 21 |
| CDH23-7R    | CTATTGCAAGAGCCAGCTCAGAGGGACACAGA    | <u>16</u>  | 32    |              |             |          |
| CDH23-8F    | GAGGGTTTGATGAGGAGGAACCCAGTCTCCAA    | <u>17</u>  | 32    | 12314 bp     | 8F/8R       | 22 to 27 |
| CDH23-8R    | ATTAACCTCGCTGGCTCTAGGATTTCACTAAGAG  | <u>18</u>  | 33    |              |             |          |
| CDH23-9F    | GTAGGATGCGTGAAGGGAAGGAAAGGAAGT      | <u>19</u>  | 30    | 8499 bp      | 9F/9R       | 28 to 31 |
| CDH23-9R    | GTGCACACAGAAGGAGCTCAACCAATGTTGG     | <u>20</u>  | 31    |              |             |          |
| CDH23-10F   | GTTATGCCGGACAGAGGAAGTGACATGGAGGT    | <u>21</u>  | 32    | 7903 bp      | 10F/10R     | 32 to 36 |
| CDH23-10R   | CAAGGATTCGCCTGCTGTGTGGAATTCATTC     | <u>22</u>  | 32    |              |             |          |
| CDH23-11F   | GAGTCACATGGAGTGAGTTCAAGCCAGGAGAA    | <u>23</u>  | 32    | 11691 bp     | 11F/11R     | 37 to 43 |
| CDH23-11R   | ACAATGACCACGACTGTCTCTCCAACCAGAC     | <u>24</u>  | 32    |              |             |          |
| CDH23-12F3a | TTATGACTTGCTTCTGATCTTCCTTTCTGATG    | <u>25</u>  | 32    | 7912bp       | 12F3a/12R3a | 44 to 46 |
| CDH23-12R3a | TTTGTAAGAACTAGATAATTACACTACCGACTG   | <u>26</u>  | 32    |              |             |          |
| CDH23-12F4  | ACACAGAGGTGCAGAGAGGTGACATAACTTCC    | <u>27</u>  | 32    | 6815bp       | 12F4/12R6   | 47 to 53 |
| CDH23-12R6  | TAGCACAGCCCATATAGTAACCACTGTTCAATAC  | <u>28</u>  | 34    |              |             |          |
| CDH23-13F   | CTTGGACACCCATGATGTCTTGGGGGGTGGGA    | <u>29</u>  | 32    | 12462 bp     | 13F/13R     | 53 to 68 |
| CDH23-13R   | GTGACCCTCCTTACCTGTCTTAGATGCTTAACATT | <u>30</u>  | 37    |              |             |          |

Table 3: GJB2 primers

| primer name | primer sequence | SEQ ID | bases | product size | primer pair | exons |
|-------------|-----------------|--------|-------|--------------|-------------|-------|
|-------------|-----------------|--------|-------|--------------|-------------|-------|

Appl. No. : 10/786,518  
 Filed : February 4, 2004

|          |                               | NO:       |    |         |         |        |
|----------|-------------------------------|-----------|----|---------|---------|--------|
| GJB2-1F  | AACCTTAGTCCTTGGCACATTGTTGAA   | <u>31</u> | 27 | 6478 bp | 1F/1R2  | 1 to 2 |
| GJB2-1R2 | AACACCACATTGTCCATAGACTGATATG  | <u>32</u> | 28 |         |         |        |
|          |                               |           |    |         |         |        |
| GJB2-1F2 | AGTCAATGCTAATAATGGTGGCAATCACG | <u>33</u> | 29 | 7156 bp | 1F2/1R2 | 2      |
| GJB2-1R2 | AACACCACATTGTCCATAGACTGATATG  | <u>34</u> | 28 |         |         |        |

Table 4: GJB6 primers

| primer name | primer sequence                 | SEQ ID NO: | bases | product size | primer pair | exons       |
|-------------|---------------------------------|------------|-------|--------------|-------------|-------------|
| GJB6-1F     | TATGAGAAGGCTGGATCACCCAGAAAGACTG | <u>35</u>  | 31    | 11,112 bp    | 1F/1R       | all 4 exons |
| GJB6-1R     | TGAGGACATCATCCTAGTGTCGTACAAGTGG | <u>36</u>  | 31    |              |             |             |
|             |                                 |            |       |              |             |             |
| GJB6-2F-1   | TGTGTTCTGGATTAATGCAAACAGC       | <u>37</u>  | 26    | 2361 bp      | 2F-1/2R-2   | all 4 exons |
| GJB6-2R-2   | GGACATCATCCTAGTGTCGTACAAGT      | <u>38</u>  | 26    |              |             |             |
|             |                                 |            |       |              |             |             |
| GJB6-2F-2   | AGCCAATCTGGTGTAAATGGATCAGAC     | <u>39</u>  | 26    | 2383 bp      | 2F-2/2R-1   | all 4 exons |
| GJB6-2R-1   | AGTGCTCTGTAGGCTGCTAAACTTAG      | <u>40</u>  | 26    |              |             |             |

Table 5: KCNE1 primers

| primer name | primer sequence               | SEQ ID NO: | bases | product size | primer pair | exons  |
|-------------|-------------------------------|------------|-------|--------------|-------------|--------|
| KCNE-1F     | GAAAGAGGCATGGAGAGTGAT         | <u>41</u>  | 21    | 1719 bp      | 1F/1R1      | 1 to 2 |
| KCNE-1R1    | CTGAAGCTCACTGACGTCTGT         | <u>42</u>  | 20    |              |             |        |
|             |                               |            |       |              |             |        |
| KCNE-1F1    | CATGGATACCAAGAGACAACCT        | <u>43</u>  | 21    | 1724 bp      | 1F1/1R      |        |
| KCNE-1R     | AGGATCACCTTCCTTGATTC          | <u>44</u>  | 20    |              |             |        |
|             |                               |            |       |              |             |        |
| KCNE-2F     | TCCATTAAGGAAGGACCTTG          | <u>45</u>  | 20    | 437bp        | 2F/2R       | 3      |
| KCNE-2R     | TAAACATTCAGCGAATGCAG          | <u>46</u>  | 20    |              |             |        |
|             |                               |            |       |              |             |        |
| KCNE-3F1    | AACCAGTCTGACTAGTCTTGCCATAAGCT | <u>47</u>  | 28    | 4893 bp      | 3F1/3R2     | 4      |
| KCNE-3R2    | GAGTCTGTTTATGCTTCTGTGAGGTGT   | <u>48</u>  | 28    |              |             |        |

Table 6: KCNQ1 primers

| primer name | primer sequence             | SEQ ID NO: | bases | product size | primer pair | exons   |
|-------------|-----------------------------|------------|-------|--------------|-------------|---------|
| KNQ1-1F1    | GGTAAATGCACACTGGAACG        | <u>49</u>  | 20    | 1168bp       | 1F1/1R1     | 1       |
| KNQ1-1R1    | AGGATTCACACCTGGACTAC        | <u>50</u>  | 20    |              |             |         |
|             |                             |            |       |              |             |         |
| KNQ1-2F     | ATCCACGTGGCAGCATGTGTTG      | <u>51</u>  | 22    | 564bp        | 2F/2R       | 2       |
| KNQ1-2R     | CTTTCAGACCACCAGCTCCAGGTT    | <u>52</u>  | 24    |              |             |         |
|             |                             |            |       |              |             |         |
| KNQ1-3F     | ATGAGCTGAAGCTGCTCAGCCTTC    | <u>53</u>  | 24    | 2709bp       | 3F/3R       | 3 to 6  |
| KNQ1-3R     | TCCAAGCACAGGTTGTGGACAG      | <u>54</u>  | 23    |              |             |         |
|             |                             |            |       |              |             |         |
| KNQ1-4F     | GCTCTGTTCTGGTGCTTTCGCCGAGT  | <u>55</u>  | 27    | 5779bp       | 4F/4R1      | 7 to 10 |
| KNQ1-4R1    | GACAGGTCTGCCATCCAATCGTCAGGT | <u>56</u>  | 27    | 6183 bp      |             |         |
|             |                             |            |       |              |             |         |
| KNQ1-5F1    | GACACTGAGGTGTGAGGCACTT      | <u>57</u>  | 22    | 532bp        | 5F1/5R1     | 11      |
| KNQ1-5R1    | AGGATCATGTTCCAGGCTCA        | <u>58</u>  | 21    |              |             |         |

Appl. No. : 10/786,518  
 Filed : February 4, 2004

|         |                                 |           |    |        |       |          |
|---------|---------------------------------|-----------|----|--------|-------|----------|
| KNQ1-6F | TTGCTATGGCTGCCATGTGTCAGCAGCATAG | <u>59</u> | 31 | 9883bp | 6F/6R | 12 to 15 |
| KNQ1-6R | TCTGCCACCCTCCACTCAGGACACAGCCAG  | <u>60</u> | 30 |        |       |          |
| KNQ1-7F | TTGCAGACATAGGGTGCACACGTGC       | <u>61</u> | 25 | 1589BP | 7F/7R | 16       |
| KNQ1-7R | AACAGGAGCGACGTCGCTAAGCTAG       | <u>62</u> | 25 |        |       |          |

Table 7: MYO7A primers

| primer name | primer sequence                    | SEQ ID NO. | bases | product size | primer pair | exons    |
|-------------|------------------------------------|------------|-------|--------------|-------------|----------|
| MYO7A-1F    | AGCACATCAGTGATTAAGTCAGG            | <u>63</u>  | 23    | 822 bp       | 1F/1R       | 1        |
| MYO7A-1R    | GATTCGATGGACAACATGCTCCT            | <u>64</u>  | 23    |              |             |          |
| MYO7A-2F    | TTGGGAATCTCTGAATGACAGTG            | <u>65</u>  | 23    | 434 bp       | 2F/2R       | 2        |
| MYO7A-2R    | GGTTTGAAGCCTAGGCAGGAA              | <u>66</u>  | 22    |              |             |          |
| MYO7A-3F    | GAGAGGCCCTTGGCTCTCTCTGA            | <u>67</u>  | 22    | 628 bp       | 3F/3R       | 3        |
| MYO7A-3R    | TCTCTAACACCATGCAGAGTGG             | <u>68</u>  | 22    |              |             |          |
| MYO7A-4F8   | CTGATGTCCAGATTCCTGCTAGT            | <u>69</u>  | 23    | 2863bp       | 4F8/4R8     | 4        |
| MYO7A-4R8   | ACCTCCAGCATTTATTCATGCCATG          | <u>70</u>  | 25    |              |             |          |
| MYO7A-5F    | AGAAGGAAATCTAGGCTTAGAGACTCCACCTCCC | <u>71</u>  | 34    | 7707 bp      | 5F/5R       | 5 to 14  |
| MYO7A-5R    | GCATATGATTCCACTTATATGAGGTACCTAGAAT | <u>72</u>  | 34    |              |             |          |
| MYO7A-6F    | TGGATGTGGTGGAACTAGGTGG             | <u>73</u>  | 22    | 488 bp       | 6F/6R       | 15       |
| MYO7A-6R    | AACCGATCCCTGACCGGTTCTG             | <u>74</u>  | 22    |              |             |          |
| MYO7A-7F1a  | AGAGGTGGTAACCTTGAAGTCCTGG          | <u>75</u>  | 26    | 7573bp       | 7F1a/7R1a   | 16 to 21 |
| MYO7A-7R1a  | GGTATGTGCACTCCTCAGAGCAGGCATA       | <u>76</u>  | 28    |              |             |          |
| MYO7A-7F1d  | TGGTCAGATGGATAGATGGCATCACCTC       | <u>77</u>  | 28    | 4102 bp      | 7F1d/7R1a2  | 16 to 18 |
| MYO7A-7R1a2 | ATCACATCTTGCTGATGAGGAAATGCAGG      | <u>78</u>  | 29    |              |             |          |
| MYO7A-7F1e  | TCACAGTCTGGTGGCATAGTACCTAAATTG     | <u>79</u>  | 30    | 4128 bp      | 7F1e/7R1a1  | 16 to 18 |
| MYO7A-7R1a1 | CTCCCAGGTTGTAGATGATCTCAAACAC       | <u>80</u>  | 28    |              |             |          |
| MYO7A-7F21a | TGCAGCTCCTGATCTAGGAT               | <u>81</u>  | 20    | 591 bp       | 7F21a/7R21a | 21       |
| MYO7A-7R21a | AGAGCAGGCATAACTGCAG                | <u>82</u>  | 21    |              |             |          |
| MYO7A-7F21b | ATTAGAGATCTCAGACAGGGTG             | <u>83</u>  | 22    | 898bp        | 7F21b/7R21b | 21       |
| MYO7A-7R21b | AACTGGGCATGACTTTGATAGG             | <u>84</u>  | 22    |              |             |          |
| MYO7A-7F2a  | ACCTCAGTCACTCTTGGGAATCTCTG         | <u>85</u>  | 26    | 3361bp       | 7F2a/7R2a   | 22 to 26 |
| MYO7A-7R2a  | TAGAAGTGATTCCCTCTCAGCTGTG          | <u>86</u>  | 26    |              |             |          |
| MYO7A-8F    | TGCAGGGTATCGAGGAGGTGGC             | <u>87</u>  | 22    | 620 bp       | 8F/8R       | 27       |
| MYO7A-8R    | TGCAATATCTCCAAGGGATGCC             | <u>88</u>  | 22    |              |             |          |
| MYO7A-9F1   | GGCCCCCTTAAGTATTCACACATTACAGAAATA  | <u>89</u>  | 32    | 11,772bp     | 9F1/9R3     | 28 to 35 |
| MYO7A-9R3   | GTTGAAACTTGATCTCCCAGTGTTGGCAGTGG   | <u>90</u>  | 32    |              |             |          |
| MYO7A-10F   | CGAGGTGGAAGGAGTCTGGGAGGCCCGCTCACAA | <u>91</u>  | 34    | 8018 bp      | 10F/10R     | 36 to 44 |

Appl. No. : 10/786,518  
 Filed : February 4, 2004

|           |                                    |           |    |         |         |          |
|-----------|------------------------------------|-----------|----|---------|---------|----------|
| MYO7A-10R | AGACACATAATAGAGGCTCAACATGCAAGCTTCC | <u>92</u> | 34 |         |         |          |
| MYO7A-11F | GGCCATGCACTCCAAGTCCAACTGCTGAGTCT   | <u>93</u> | 33 | 4555 bp | 11F/11R | 45 to 49 |
| MYO7A-11R | TCACCTCCAGCCTGATGTCCAGCACTTCCTCC   | <u>94</u> | 33 |         |         |          |

Table 8: OTOF primers

| primer name | primer sequence                   | SEQ ID NO: | bases | product size | primer pair | exons    |
|-------------|-----------------------------------|------------|-------|--------------|-------------|----------|
| OTOF-1F     | TGGTAGCACATAAGCCTCTG              | <u>95</u>  | 20    | 1001         | 1F/1R       | 1        |
| OTOF-1R     | ATCACAATGGCCAGTCAGTC              | <u>96</u>  | 20    |              |             |          |
| OTOF-2F     | TCCTAACATGGAAGTCATGG              | <u>97</u>  | 20    | 451          | 2F/2R       | 2        |
| OTOF-2R     | TTACCACCTCCTTCAGGAAG              | <u>98</u>  | 20    |              |             |          |
| OTOF-3F     | CCAACATCTCTGAGCACCAT              | <u>99</u>  | 20    | 786          | 3F/3R       | 3        |
| OTOF-3R     | TGAGTGTCTGAGATCAGGC               | <u>100</u> | 19    |              |             |          |
| OTOF-4F     | ACAAACAACCATCCACAGTGGG            | <u>101</u> | 22    | 3197         | 4F/4R       | 4 to 5   |
| OTOF-4R     | TCTGAGAAAGGCAGGAGATCTAG           | <u>102</u> | 23    |              |             |          |
| OTOF-5F     | AAAGACAAGTCAGGCTTTGAGCAC          | <u>103</u> | 24    | 2937         | 5F/5R       | 6 to 8   |
| OTOF-5R     | TATGAAGTCCAATACTGAACATG           | <u>104</u> | 23    |              |             |          |
| OTOF-6F     | TGTGGTAGTGCATGCCTGTAATCC          | <u>105</u> | 24    | 6513         | 6F/6R       | 9 to 11  |
| OTOF-6R     | ATGGCTGTGTGTACTAACAGTCGC          | <u>106</u> | 24    |              |             |          |
| OTOF-7F1a   | AGCTCCAGAGGACCTCAGACTCTATC        | <u>107</u> | 26    | 4152         | 7F1a/7R1a   | 12 to 25 |
| OTOF-7R1a   | TGAGGTATGACTCCTCAGGTAGACAG        | <u>108</u> | 26    |              |             |          |
| OTOF-7F2a   | CCTGCTTCCATGGATATCCAGGCT          | <u>109</u> | 24    | 5373         | 7F2a/7R2a   | 16 to 25 |
| OTOF-7R2a   | CTCAGTCTGTAGGAGACAGGAGGTGA        | <u>110</u> | 26    |              |             |          |
| OTOF-7F2e   | CTGTGGAGATCGTAGACACCTCCAA         | <u>111</u> | 25    | 1791         | 7F2e/7R2e   | 16 to 18 |
| OTOF-7R2e   | ACTAGAGGTGGCTCCTGTCCTTGTC         | <u>112</u> | 25    |              |             |          |
| OTOF-7F2f   | TAAGTACACGCTGCTGGATGAGCATC        | <u>113</u> | 26    | 1784         | 7F2f/7R2d   | 16 to 18 |
| OTOF-7R2d   | AGACCAGCTTTGTGTGTTCCAGGGAAG       | <u>114</u> | 27    |              |             |          |
| OTOF-7F2e   | CTGTGGAGATCGTAGACACCTCCAA         | <u>115</u> | 25    | 3315         | 7F2e/7R2i   | 16 to 20 |
| OTOF-7R2i   | CTCTGTAGATTCTTCCTCATCTGCCC        | <u>116</u> | 26    |              |             |          |
| OTOF-7F2f   | TAAGTACACGCTGCTGGATGAGCATC        | <u>117</u> | 26    | 3404         | 7F2f/7R2i   | 16 to 20 |
| OTOF-7F2m   | TGATCAAACAGGGAGGAGGCATTT          | <u>118</u> | 23    | 955          | 7F2m/7R2m   | 19 to 20 |
| OTOF-7R2m   | CTGCCCCCTCCAGCACCTTA              | <u>119</u> | 20    |              |             |          |
| OTOF-7F2n   | CCTAGCGAGAGCTCCAG                 | <u>120</u> | 18    | 542          | 7F2n/7R2n   | 19 to 20 |
| OTOF-7R2n   | GACAGCTCGGGCCATGAC                | <u>121</u> | 18    |              |             |          |
| OTOF-7F3f1  | TGGGCAGATGAGGAAGAATCTACAGAGC      | <u>122</u> | 28    | 2838         | 7F3f1/7R3a1 | 21 to 25 |
| OTOF-7R3a1  | TTACCACAGCGCCATGAGTTGTTGTAAG      | <u>123</u> | 28    |              |             |          |
| OTOF-7R3b1  | ACATGAGGTCTCCTACCTCTAGTCCAG       | <u>124</u> | 28    | 2697         | 7F3f1/7R3b1 | 21 to 25 |
| OTOF-7F-A   | CTGTGGAGATCGTAGACACCTCCAACCTGAGCT | <u>125</u> | 34    | 16,256       | 7F-A/7R-A   | 16 to 39 |

Appl. No. : 10/786,518  
 Filed : February 4, 2004

|           |                                   |            |    |       |         |          |
|-----------|-----------------------------------|------------|----|-------|---------|----------|
| OTOF-7R-A | CAGATAGCCTCTCTACCTCACTGGGATTGGACA | <u>126</u> | 34 |       |         |          |
| OTOF-8F5  | TAAGGACCAAACGAGATCACAGGTGTGGA     | <u>127</u> | 29 | 10127 | 8F5/8R6 | 26 to 39 |
| OTOF-8R6  | AGCCTCTCTACCTCACTGGGATTGGACA      | <u>128</u> | 29 |       |         |          |
| OTOF-8R7  | CGAGTCACTAGAAGTAGGATCTTGGTTTGT    | <u>129</u> | 30 | 10181 | 8F5/8R7 | 26 to 39 |
| OTOF-8R4  | GGTTTGTCTACCTCACTGGGATTGGACA      | <u>130</u> | 30 | 10128 | 8F5/8R4 | 26 to 39 |
| OTOF-9F1  | GTAGACAGGTGATGGCATAGAGGCTTCT      | <u>131</u> | 28 | 7106  | 9F1/9R1 | 40 to 47 |
| OTOF-9R1  | TGGTACTGAATCTGCCAGCCTAGAGAAC      | <u>132</u> | 28 |       |         |          |
| OTOF-9F2  | AGGCACCTCCCAGAGAAGCAGAGAATTG      | <u>133</u> | 28 | 7759  | 9F2/9R9 | 40 to 47 |
| OTOF-9R9  | TGTGGCTGAATCTCTTTAAAGAGGTCAGG     | <u>134</u> | 29 |       |         |          |

Table 9: SLC26A4 sequences

| primer name | primer sequence                | SEQ ID NO: | bases | product size | primer pair | exons    |
|-------------|--------------------------------|------------|-------|--------------|-------------|----------|
| SLC-1F      | TCAGAGAATTTGCATCAGGGTTCTC      | <u>135</u> | 25    | 3665         | 1F/1R       | 1 to 3   |
| SLC-1R      | TAAGCAACCATCTGTCACAGACC        | <u>136</u> | 23    |              |             |          |
| SLC-2F2     | TGGAACCATTGTAAGTTGAGGACTT      | <u>137</u> | 25    | 3225         | 2F2/2R4     | 4 to 6   |
| SLC-2R4     | GAGATGAGGTCTCACGTCTCAAACT      | <u>138</u> | 25    |              |             |          |
| SLC-3F      | ATCAACTGGGAGTTTCAGGTTTATCAGCC  | <u>139</u> | 29    | 7618         | 3F/3R       | 7 to 10  |
| SLC-3R      | AAGGCAAATTGTCCTGCTAAGCTCGGTG   | <u>140</u> | 28    |              |             |          |
| SLC-4F      | AATGAGACCATGTGCTACAAGTACGAAGTG | <u>141</u> | 30    | 11306        | 4F/4R       | 11 to 18 |
| SLC-4R      | TTTGTTCACTCTTACCTAGGTGAGAGCCTG | <u>142</u> | 30    |              |             |          |
| SLC-5F4     | GATCGTCCACAAGGTTGACTACGACCAGT  | <u>143</u> | 28    | 9069         | 5F4/5R6     | 19 to 21 |
| SLC-5R6     | TCATTGATTCTCACCTCACAGATCTAAGC  | <u>144</u> | 29    |              |             |          |

Table 10: USH2A sequences

| primer name | primer sequence              | SEQ ID NO: | bases | product size | primer pair | exons    |
|-------------|------------------------------|------------|-------|--------------|-------------|----------|
| USH2A-1F    | TAGGATAAGGTGTACTGCTACTT      | <u>145</u> | 23    | 5085         | 1F/1R       | 1 to 3   |
| USH2A-1R    | GAAGACAAATCCTTGTGTTAAACCA    | <u>146</u> | 25    |              |             |          |
| USH2A-2F    | AACACATGGAGATATCACTGAGC      | <u>147</u> | 23    | 699          | 2F/2R       | 4        |
| USH2A-2R    | CCTAAATCCAATGACAAGTGTCTT     | <u>148</u> | 25    |              |             |          |
| USH2A-3F1   | CTTAAGTCCTACAGTGTCATGGAGATA  | <u>149</u> | 28    | 7298         | 3F1/3R1     | 5 to 9   |
| USH2A-3R1   | CATCAGTGATGTGTTAAAGGTTATATTC | <u>150</u> | 28    |              |             |          |
| USH2A-4F    | TCACTGATATGTGCTTTACTTCTGG    | <u>151</u> | 25    | 3302         | 4F/4R       | 10 to 11 |
| USH2A-4R    | AGGATTTCTGGCAAATGCAGTCTTC    | <u>152</u> | 26    |              |             |          |
| USH2A-5F    | GTCTTGTACCTAATGAGCAAATTATCT  | <u>153</u> | 27    | 4954         | 5F/5R       | 12 to 13 |
| USH2A-5R    | GCATTGTATGGATATTCAACTCAAATT  | <u>154</u> | 27    |              |             |          |
| USH2A-6F1   | GAATTAGTGCCTTGGTAGA          | <u>155</u> | 19    | 378          | 6F1/6R      | 14       |
| USH2A-6F2   | GTATTGGGAATTAGTGCCTT         | <u>156</u> | 20    | 386          | 6F2/6R      | 14       |
| USH2A-6R    | CAGAAGTTATTGCTTTGCAACT       | <u>157</u> | 22    |              |             |          |

**Appl. No.** : 10/786,518  
**Filed** : February 4, 2004

|          |                                  |            |    |       |       |          |
|----------|----------------------------------|------------|----|-------|-------|----------|
| USH2A-7F | CTCTACAATGCTATTGGTAGGTGTA ACTTA  | <u>158</u> | 30 | 10458 | 7F/7R | 15 to 16 |
| USH2A-7R | CACAACAGCATTTATCCTCAATGTCAAAGA   | <u>159</u> | 30 |       |       |          |
|          |                                  |            |    |       |       |          |
| USH2A-8F | AGCAGTTAGCAATGATTCTTCACCAACTTGTG | <u>160</u> | 32 | 10312 | 8F/8R | 17 to 20 |
| USH2A-8R | CCTGGAGTCACGCTACA ACTAATTACATTCT | <u>161</u> | 32 |       |       |          |
|          |                                  |            |    |       |       |          |
| USH2A-9F | TTCCTAGAGCCATACAGATACTTG         | <u>162</u> | 24 | 1826  | 9F/9R | 21       |
| USH2A-9R | GCTGAATGGAAACGGATGCTATT          | <u>163</u> | 23 |       |       |          |